Title (en)

Device and method for supplying a mobile communication system and a sensor arrangement including such a device.

Title (de)

Vorrichtung und Verfahren zur Stromversorgung eines mobilen Kommunikationssystems und eine Sensoranordnung, die eine derartige Vorrichtung aufweist.

Title (fr)

Dispositif et procédé d'alimentation pour système de communication sans fil et ensemble capteur comportant un tel dispositif

Publication

**EP 2395594 B1 20130724 (FR)**

Application

**EP 11354024 A 20110517**

Priority

FR 1002509 A 20100614

Abstract (en)

[origin: EP2395594A1] The device (10) has an input (11) connected to an electrical energy generator i.e. photovoltaic generator (12), and a storage unit for storing electrical energy generated by the generator. A voltage and/or current regulator manages the electrical energy. Another storage unit (13) is formed by a rechargeable battery (13A) e.g. lithium button battery, with low leakage current. A management and control unit formed of a processing circuit (17) and a switch (18) manages and controls charge of the latter storage unit for limiting depth of discharge of the battery. Independent claims are also included for the following: (1) a sensor assembly, comprising a processing circuit and power supply device (2) a method of supplying power to a wireless communication system.

IPC 8 full level

**H01M 10/46** (2006.01); **H01M 10/48** (2006.01); **H02J 7/00** (2006.01); **H02J 7/34** (2006.01); **H02J 7/35** (2006.01); **H02J 9/00** (2006.01)

CPC (source: EP US)

**H01M 10/465** (2013.01 - EP US); **H01M 10/48** (2013.01 - EP US); **H02J 7/00306** (2020.01 - EP US); **H02J 7/35** (2013.01 - EP); H02J 7/00302 (2020.01 - EP US); H02J 7/00304 (2020.01 - EP US); Y02E 10/56 (2013.01 - EP); Y02E 60/10 (2013.01 - EP)

Cited by

CN108292856A; CN107834642A; US9817413B2; US10951045B2; WO2017015705A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2395594 A1 20111214**; **EP 2395594 B1 20130724**; CN 102386671 A 20120321; CN 102386671 B 20170616; FR 2961323 A1 20111216; FR 2961323 B1 20120713

DOCDB simple family (application)

**EP 11354024 A 20110517**; CN 201110225221 A 20110614; FR 1002509 A 20100614